

## String Dualities and Geometry



ID de Contribution: 8

Type: **Non spécifié**

## **L<sub>∞</sub> algebras and CFT**

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It is shown that the closure of the infinitesimal symmetry transformations underlying classical (global) W-algebras give rise to  $L_\infty$  algebras with in general field dependent gauge parameters. We develop the general formalism for this correspondence and apply it explicitly to the classical  $W_3$ -algebra. The generalization to the quantum case is discussed as well.

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